

THE ENTIRE STORY OF MICROFILMING is told in the above sequence of photographs. At left, Jake Chance starts a "slave" card which will give pertinent information on microreproduction of drawings or what-have-you. Next Andy Inman photographs a print,

which will be developed onto a 35 mm microfilm . . . reducing the sketch at least 30 times. Clyde Clower puts the microfilm into an aperture card . . . from which additional prints may be made (or the card itself may be inserted in a 'reader' and the image

magnified onto a screen for field study.) E. W. Cook and Frances Patton are seen in the final photograph to the right, reproducing additional prints from the microfilm negative. Microreproduction and Engineering Services is in Materials and Services Division.

Microreproduction, Engineering Services Making Mole Hills Out Of Mountains

There's a department in Y-12 that makes "mole hills out of mountains."

Engineering drawings, without which no plant exists, are kept in Microreproduction and Engineering Services, a part of the Materials and Services Division.

In this group are kept tracings, drawings, prints, specifications, operating and maintenance instructions, parts list, instrument tabulations and diagrams, test data reports, purchase and procurement data, and other associated information.

In one of the most self-contained engineering reproduction shops in the country are handled almost 100,000 pieces of paper each month. The two-year old microfilming now is in full scale operation. (Y-12 was one of the first plants to adopt the system completely.)

Ten years ago the same shop was handling only one-quarter the number of prints . . . not nearly as efficiently, and with more man-hours, too!

And microfilming has enabled the service group to reduce the mountain of prints that would have accumulated through the years. (Prints and drawings are kept forever . . . brought up to date when changes are made. Original prints of buildings drawn by Stone and Webster are still on file in Y-12!)

A miniature film of each draw-

ing is put on a tabulating card, key-punched and interpreted as to the drawing number, location, type of print, etc. The small three by seven card is a far cry from a 34 x 44 print.

Plant personnel who have to refer to the print merely insert the card into a reader . . . and the print is magnified up to reading size on a screen. There are several microfilm readers in the plant, some of which are equipped with printers which can make a regular-sized print from the microfilm itself.

Following a print through the entire microfilming procedure is as follows: The print is first logged and a "slave" card made (through a key punch machine) giving the print number, number of copies, size, etc.

The card is then sent to Tabu-

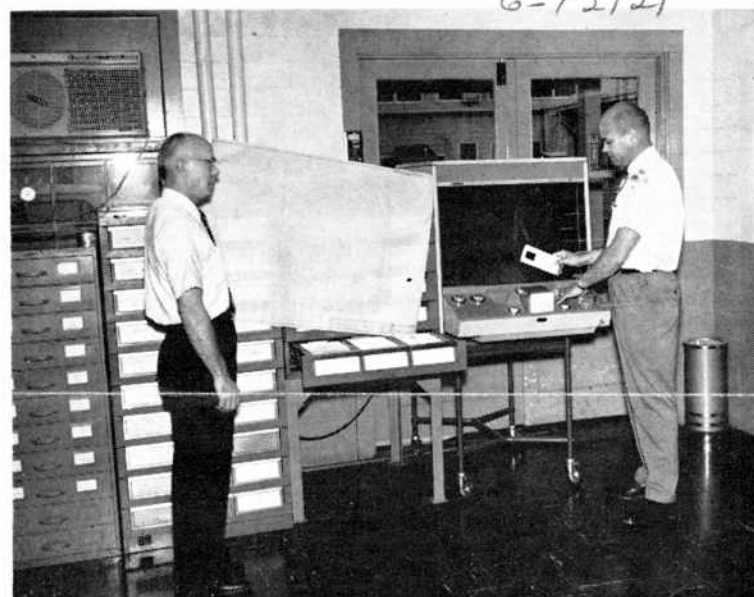
lating Services for reproduction and multiple copies of aperture cards. The print itself is photographed and processed. The photographic film is tested for density and clarity and then mounted in the aperture card. All procedures followed for microfilming must meet the rigid specifications as established by the Department of Defense.

Prints from the year one are kept in the sealed vault to the right of the group's service counter.

Documentation of classified drawings also is the task of the department. Approximately three-fourths of the plant's receipts for classified documents come from Microreproduction and Engineering Services.

A special section is also main-

Continued on Page 4



CARL RODDY AND DON McMURRAY, above, demonstrate the difference in the sizes of an original drawing and the final product. McMurray, at right, prepares to insert the aperture card into a reader where it will be magnified onto the screen for study.

George Heins Has Vacation Surprise

George Heins, General Mechanical Engineering, was vacationing recently in Daytona, Florida and had an interesting experience.

He decided to take a fishing excursion with about 50 other people. He fell into talking with a fellow fisherman and found he was a retired Y-12er, enjoying the leisure years in Florida.

It was "Uncle John" Colbert, former carpenter foreman in Buildings and Grounds. He retired from Y-12 April 30, 1957 . . . and lives at 317 Lincoln Avenue, New Smyrna Beach, Florida.

'Uncle John' wished to be remembered to his Y-12 friends . . . says come on down . . . the water's fine.

Babylonian Degrees

The Babylonians originated the degree as the unit of measurement of the circumference of a circle or of a round angle. From natural observations they had set the year at 360 days and likewise divided the circle into 360 parts or degrees.

Union Carbide Names New Overseas Manager

Richard M. Joslin, formerly a vice-president of Union Carbide's Plastics Division, has been appointed managing director of Union Carbide Europe S. A., Geneva, Switzerland. A graduate of Wesleyan University, Joslin joined Union Carbide in 1935 when he received a Chemicals Division fellowship at Mellon Institute, Pittsburgh.

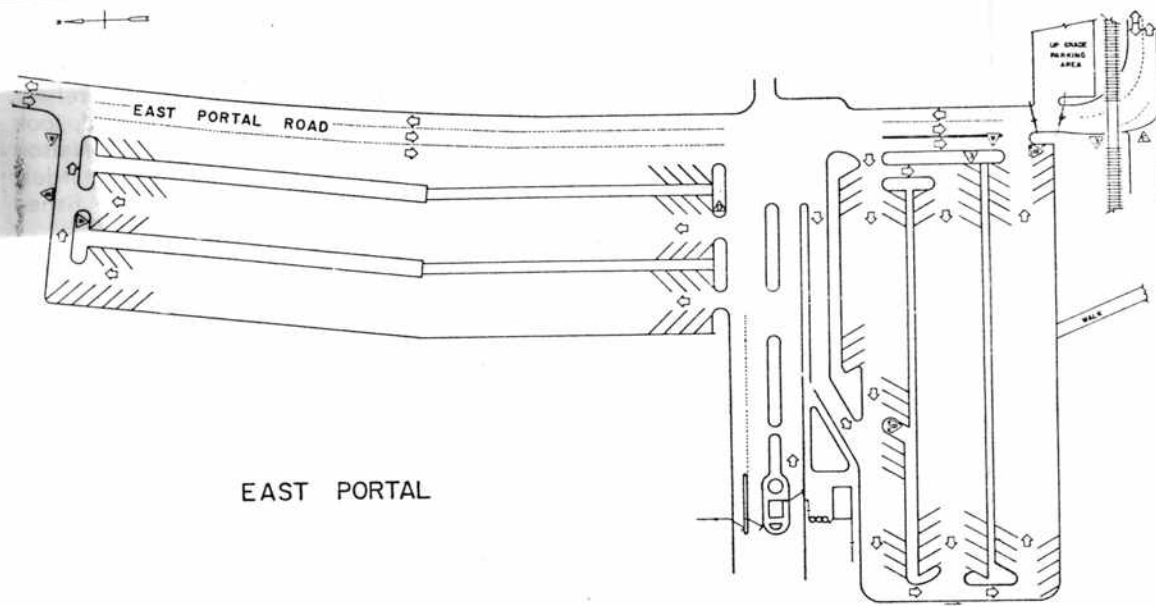
The appointment is effective July 1.

OLD KEY HOLDER

Phi Beta Kappa, the honorary society, was the first fraternity founded in the United States.

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
37 Days Or
1,118,000 Man-Hours
(Unofficial Estimate)
Without A Disabling
Injury
Through June 21
Phone 7755
For Daily Report
On Accident-Free Hours



TRAFFIC FLOW IS REVERSED in Y-12's East Portal parking lots (the lines were redrawn over the weekend.) Signs will be repainted and up-graded. Care and courtesy are requested during the transition period. The lower level has been altered so that traffic flows out of the lower side toward Knoxville). The proper patterns of flow must be adhered to so that the minimum amount of traffic snarl and danger will be realized. The up-grading is a part of the entire study of all Y-12 parking areas.

The Bulletin

Published Weekly For The
Y-12 Employees Of
UNION CARBIDE
CORPORATION



NUCLEAR DIVISION

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Editor

Member Appalachian
Industrial
Editors' Association

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Joe Burton At UT Before 16th Birthday

Works In Hospital
To Get Experience!



Joe Burton

At the age most of us entered high school, Joe Burton enrolled in college recently! And at the age most of us dreamed about being firemen and cowboys . . . Joe wants to be a doctor. Joe is the son of Mr. and Mrs. George A. Burton, 3335 Ashland Avenue, Knoxville, and graduated from East High School early in June. Although he completed school in 10 years rather than the normal 12, he finished one of the top three students in marks at East.

To be around doctors and learn medical procedures Joe performed orderly duties at Baptist Hospital. He had to do the work free, because he's too young to be paid for it! He averages 10 to 12 hours a week at the hospital, mostly on weekends.

A member of the Future Physicians Club, sponsored by the Knoxville Academy of Medicine, Joe entered the University of Tennessee June 16. (Looks like he wants to finish college at a record age, too!)

Joe will be 16 on July 1 of this year. He skipped the sixth grade in elementary school and advanced from a sophomore in high school to a senior. Being younger actually challenges a person to perform better, Joe believes. "I have never had a problem of adjusting," he said.

His father is in Y-12's Physical Testing Department.

SUCCESSFUL WOMEN

The next time somebody argues about women getting educated, you might remind him that Cleopatra couldn't even write her own name!



A college professor once told a student that there was no excuse for poor spelling, upon returning a grade theme. "When in doubt, you should consult a dictionary," flatly stated the prof. "But, sir, I'm never in doubt," replied the student. Never any doubt about it, vacations still remain supreme around Y-12. Let's start in . . .

MATERIALS AND SERVICES

Plant Records has Sarah Cantrell and Helen Cunningham taking early summer vacations last week.

From Microreproduction and Engineering Services Andy Inman stayed at home in Oak Ridge . . . Don McMurray took his family to Clearwater, Florida . . . Roy West and his family are attending a convention of the Grand Order of Rainbow Girls, Chattanooga.

C. H. Roddy and his wife are vacationing in California visiting a daughter. Get well wishes to E. W. Cook.

Genius is the ability to evade work by doing something right the first time it has to be done.

ACCOUNTING & BUDGET

The Paul Melton family has just returned from a Daytona, Florida vacation . . . J. K. Denton spent his vacation in Florida also . . . and got to see a space shot at Cape Kennedy while there . . . R. P. Waldrop saw Clearwater and Panama City, Florida.

T. A. Narcross and wife Laura, Communications, vacationed at home in Oak Ridge and entertained guests from St. Louis . . . Jimmy Davis is on military duty.

At home in Kingston is vacationing Marvin Flatt . . . Athala and J. L. Markland are vacationing in Gatlinburg and a trip to visit relatives in West Tennessee . . . Welcome in to Lynn F. Denton, a summer student. Lynn will be a junior at Carson-Newman this fall.

W. C. Hoppe is spending the next two weeks at St. Petersburg, Florida, visiting his family.

Glen Adkins took a few days off to entertain relatives from Lake Charles, Louisiana.

Success depends partly on whether people like you wherever you go or whenever you go.

FABRICATION



Jerry Edward Worsham

Down in the General Machine Shop, Building 9201-1, a proud papa passed this one around, and an alert reporter latched onto it. It is Jerry Edward Worsham, son of Eugene and Judith Worsham, 3812 Seeber Drive, Knoxville. Jerry weighed seven pounds, 12 ounces on birth at St. Mary's Hospital, on May 31. Quite a boy, isn't he?

If your new car has a 12,000 mile-warranty on defective parts, and you drive 22 miles a day, when will the warranty run out? Answer: The day before the engine develops a knock.

DEVELOPMENT

Metallurgical Development folks are congratulating the Fred Pattersons on the birth of a five pound, 15 ounce, daughter, who arrived on June 13 at the Oak Ridge Hospital. She has been named Sandra Kay.

An expert is a person who can take anything you already know and make it sound confusing.

SHIFT SUPERINTENDENTS AND UTILITIES

Vacationers include S. B. McSpadden, W. J. Wiggins, K. E. Russell and W. B. Dennis.

Condolences to K. E. Caughron on the recent death of his brother-in-law.

C. A. Cox vacationed at home.

That's about the size of the news this week . . . Coming Soon . . . a Big Flash. A Y-12er's own personal view of the World's Fair.

Hot? . . . Add A Dash Of Salt!

If heat fatigue is holding you back from enjoying the activities associated with summer, a few grains of salt may be what you need.

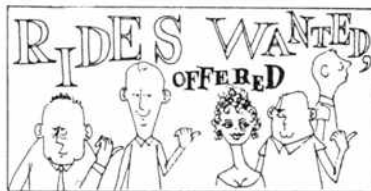
While lighter clothing, cooling apparatuses, and taking it easy may be a few ways to beat the heat . . . they may not do the trick if excessive perspiration has robbed your body of its necessary salt supply.

Salt loss in the body brings on weariness and the loss of will to work. Progressive salt depletion may result in heat cramps and heat prostration.

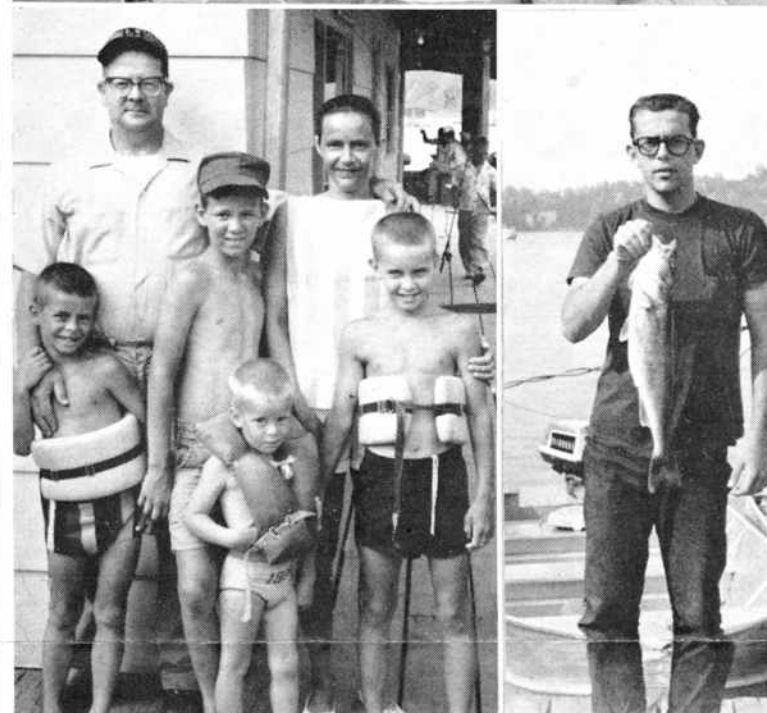
You don't have to work in a foundry, or play 18 holes of golf, or garden all day long to need extra salt. Any exertion in higher temperatures may cause your system to lower its salt reserve. And salt must be replaced on a day-by-day basis.

Just add a dash more of salt to those meals during the summer months. Salty snacks, such as peanuts, crackers, etc. may also do the trick, both for adults and children.

Of course, if you're on a salt-free diet, you'd better check with your physician first. There are substitutes.



Ride wanted from Henley Street Bridge section, Knoxville, to Central Portal, straight day. W. C. Wright, plant phone 7777, home phone Knoxville 966-9543. Ride wanted from East Village area, Oak Ridge, 100 Ashland Lane, to Bear Creek Portal,



ON SATURDAY, JUNE 13, Y-12ers gathered at the Stardust Dock, Norris Lake for the E, F, G, H and J Shift rodeo. Above is part of the fair weather fishermen. Winners in the top row include (kneeling from left) Elbert Scott, bream winner; Paul Trent, smallmouth bass; B. E. Burdette, second s'mouth; and standing, Lyle Lankford, crappie; Virgil Lovett, redeye; Fred Daniels, walleye; J. H. Householder, largemouth; and E. R. Wall, second walleye. In the middle pictures Paul Trent and his handsome brood of boys show the proper wearing apparel for the like . . . life jackets on all. Gary Daniels, son of Fred, took the largest walleye at the rodeo. In the lower photo, Nelson Tibbatts and Bill Hudson cast off from the beautiful Stardust Dock. A total of 84 fishermen, wives and children who fished too, turned up for the sunny Saturday.

straight day. Addie Lynch, plant phone 7-8028, home phone Oak Ridge 483-4703.

Ride wanted or will join car pool from Cumberland Estates, Knoxville, to Bear Creek Portal, J. Shift. G. H. Blakely, plant phone 7484, home phone Knoxville 588-7831.

Will join or form car pool from Garden Apartment section, Oak Ridge, to West Portal, straight day. L. T. Royer, plant phone 7116, home phone Oak Ridge 482-2556.

Ride wanted from Cedar Heights, Fountain City, to Central Portal straight day. C. E. Nichols, plant phone 7951, home phone, Knoxville, 689-5906.



Loose
Talk
Can
Destroy

SECURITY

HAPPY MARRIAGES

Wives who are good cooks have a 10 per cent better chance for a happy marriage, experts say.

Peons, Mets, Lead Softball Play; Atoms Second

The Pinewood Park saw many Y-12 homers as the Plant Softball League continued in full swing. The Peons and the ORGDP Mets share the top spot with eight win and one loss records.

Monday night's action gave the Mets an 18 to 6 victory over the Atoms. Woy for the Mets and Cavosie for the Atoms hit home-runs.

The middle encounter of the evening squared away the Reagents and the Beanballs. The Reagents came home with a 16 to 3 victory. J. Barker, Reagents, hit two roundtrippers to lead the winners. Extra base hits were recorded by F. Fox, Hamilton, and C. Neff. Peters tallied a homerun for the losers.

Final action of the evening gave the K-25 Instruments a 9 to 5 victory over the Cherokees. Led by Howard with a triple and a homerun, the instrument men gathered their first win of the year. Davis led the losers with a triple.

Tuesday

The Rebs-Gophers encounter saw the Gophers take the game by a 14 to 7 score. Wyatt, Gophers, and Froula, Rebs, had homers; Froula also hit a second bagger for the losers.

The Eagles romped over the Big Shops 25 to 6 in the middle game of the evening. The winners unloaded for 31 hits as Dykes hit for the circuit getting a double, triple and a homerun. Pridgeon gathered a double and a homer to help the winner's cause.

Led by J. Collins, Cheek and E. Collins, the Peons took the final game of the night from the Teds. The big man for the Teds was Rose with a homer.

Thursday

The Bat Boys and the Atoms met in the opening game with the Atoms running up a 10 to 3 score. Grubb and Gray led the winners with a double and homer each; Cavosie and Chapman also gathered extra base blows for the winners. Campbell paced the losers with a homer.

Campbell Leads In Tennis Action

The Y-12 Tennis League continued to roll into high gear as matches were played in the very hot late afternoon and the cool evening.

Campbell King defeated Roy Huddleston 6-4, 6-4 to begin the week's activities. Other results:

League leader Sam Campbell, over Roy Williams 7-5, 6-2; Campbell King over John Pridgeon 1-6, 7-5 and 6-3; John Jones over Al Christman 5-7, 6-4, 6-3. Ralph Levey defeated Al Fischer in straight sets 6-2, 6-3 and also Bob Bass 6-1, 6-2; John Pridgeon defeated Ron Williams 6-2, 7-5; Al Fischer took Roy Huddleston in a three setter 7-5, 1-6, 6-3.

Ed DelGrande defeated Bob Bass 6-4, 10-8 and Bill Akers defeated Ralph Levey 6-2, 6-2.

Player	W	L
Samp Campbell	5	0
John Jones	6	1
Bill Akers	4	1
Ralph Levey	3	2
Campbell King	3	2
Al Christman	3	2
John Pridgeon	2	2
Ron Williams	2	3
Al Fischer	1	3
Ed DelGrande	1	3
Bob Bass	1	4
Roy Huddleston	0	4

The Peons took the middle game of the evening, beating the K-25 Instruments 3 to 0 in a well played affair. Only one error was recorded as the winners gathered 5 hits to the losers 4.

The final game of the week gave the Mets a 7 to 0 win over the Teds. Cox and Keith led the winners with a double and triple; Rose gathered a triple for the losers.

Line Scores:

	R	H	E
Mets	18	23	1
Atoms	6	9	5
Batteries: Mets: Fourman and Keith.			
Atoms: Cothron and Myers.			
K-25 Instruments	9	11	4
Cherokees	5	9	2
Batteries: K-25 Instruments: Strickland and Simcox. Cherokees: Stair and Davis.			
Reagents	16	21	2
Beanballs	3	11	2
Batteries: Reagents: Scates and Jameson. White. Beanballs: Gladson and Rowland.			
Gophers	14	22	2
Rebs	7	13	4
Batteries: Gophers: Ryder and Klobe. Rebs: Lawhorn and Price.			
Eagles	25	31	6
Big Shops	6	14	8
Batteries: Eagles: Friar and Hulsey. Big Shops: Helms and Moncier.			
Peons	13	16	2
Teds	9	15	0
Batteries: Peons: Keen and W. Wright. Teds: Stinnett and Fogg.			
Atoms	10	11	1
Bat Boys	3	6	1
Batteries: Atoms: Cothron and Myers. Bat Boys: Sims and Morgan, L. Brown.			
Peons	3	5	0
K-25 Instruments	0	4	1
Batteries: Peons: Keen and Hyatt. K-25 Instruments: Strickland and Manning.			
Mets	7	11	3
Teds	0	5	2
Batteries: Mets: Fourman and Keith. Teds: Stinnett and Anderson.			

Standings

	W	L
Peons	8	1
Mets, ORGDP	8	1
Atoms	5	1
Eagles	6	2
Teds	4	3
Bat Boys	4	3
Rebs	5	4
Gophers	4	4
Beanballs	3	4
Big Shops	2	6
Reagents	2	6
Lucky Ten	1	6
K-25 Instruments,		
ORGDP	1	6
Cherokees	0	6

Frank Burchfield Cheats Head-Lines

Hot week-ends such as East Tennessee has been having usually bring tragic head-lines such as "TVA Lakes Claim Five Lives." On a recent week-end one nearby lake claimed three lives over a 24-hour period . . . all youngsters, too.




Burchfield

Tragedy was averted recently by a Y-12er who likes the water for scuba-diving. Frank Burchfield, Quality Assurance, was helping to launch a boat into Norris Lake near Sequoia Landing.

He heard a splash and ran to the dock. A little five-year old girl had dropped into the 12-14 foot water. Without hesitation he went in after her. "She apparently didn't swallow any water," Burchfield related. "Five minutes later she was asking her mother for some candy." Finding a human body underwater requires quick action and good eye-sight. Burchfield credits his scuba experience for the ability to see and move around underwater.

JULY

RECREATION CALENDAR

Sun	Mon	Tues	Wed	Thur	Fri	Sat
			1	2	3	4
	Y-12 Softball League Play 6 PM, 3 Games Pinewood Park	Softball League 6 PM, 3 Games Pinewood Park		Softball League 6 PM, 3 Games Pinewood Park	LONG JULY 4th WEEKEND 	
5	6	7	8	9	10	11
All Carbide Skeet Shooting League - 1 PM Oak Ridge Sportsman's Association Park	Softball League 6 PM, 3 Games Pinewood Park Tennis League	Softball League 6 PM, 3 Games Pinewood Park		Softball League 6 PM, 3 Games Pinewood Park		
12	13	14	15	16	17	18
	Softball League 6 PM, 3 Games Pinewood Park	Softball League 6 PM, 3 Games Pinewood Park		Softball League 6 PM, 3 Games Pinewood Park		2nd Y-12 Fishing Rodeo Starts 1 AM
	All Carbide Skeet Shooting League - Sunday & Monday 6:30 PM, Oak Ridge Sportsman's Association Park			Horseshoe League Jackson Square 7 PM		
19	20	21	22	23	24	25
All Carbide Skeet League 1 PM, Oak Ridge Sportsman's Assoc. Park	Softball League 6 PM, 3 Games Pinewood Park	Softball League 6 PM, 3 Games Pinewood Park		Softball League 6 PM, 3 Games Pinewood Park		All Carbide Skeet League Sat. & Sun. 1 PM Oak Ridge Sportsman's Association Park
				B Shift Family Picnic (Time & Place to be announced)		4th Y-12 Golf Tournament Springbrook Country Club, Niota, Tenn.
26	27	28	29	30	31	
All Carbide Skeet Shooting League - 1 PM Sat. & Sun. Oak Ridge Sportsman's Association Park	Softball League 6 PM, 3 Games Pinewood Park		SLO-PITCH SOFTBALL DOUBLE ELIMINATION Tournament Play Starts			
			A Shift Family Picnic (Place & Time to be announced)			



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CORPORATION
NUCLEAR DIVISION**

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RETURN POSTAGE GUARANTEED



Seven more Y-12ers are added to the 20-year Union Carbide veterans' list this week. More celebrate other important milestones. Congratulations.

20 YEARS

George A. Cowan, Guard Department, June 26.

Thelma W. Cole, Production Analysis, June 26.

Doyle F. England, 9212 Shops, June 26.

Margaret J. Hickel, Chemical Services, June 27.

J. D. Silver, Research Services, June 27.

Corum Scott, Plant Records, June 29.

Lillian H. Higgins, Tool Engineering, June 30.

15 YEARS

Harvey A. Garrett, Buildings, Grounds and Maintenance Shops, June 29.

10 YEARS

James T. Dobbs, 9215 Rolling, June 29.

Boyd T. Burrell, 9212 Shops, June 29.

James H. Keys, Laboratory Development, June 30.

Warren Shadden, Dimensional Inspection, June 30.

Roy P. Russell, H-2 and F Area Shops, June 30.

Arts Festival Still Has Many Fine Productions In Works

The arduous role of Cio-Cio-San in Puccini's "Madama Butterfly" comes as a distinct challenge to any soprano. The colorful music is difficult, the acting a real chore. (The young Geisha, while demanding the voice of a mature woman, is only 16 in the opera. The Oriental costumes are restricting though beautiful.)



Kay Hamrick
As Cio-Cio-San

But Kay Hamrick, Oak Ridge's own lyric soprano, is meeting the task with all the good graces of a charming person, without the temperament of a real diva. (Kay is the daughter of C. W. Mason . . . the daughter-in-law of Pat Hamrick . . . and the sister of Y-12ers Wanda Livesay and Joe Mason. So the plant has a broad interest in the current production of grand opera!)

Curtain Up Tomorrow

"Butterfly" will be heard tomorrow, Thursday, June 25 at the Oak Ridge High School Auditorium . . . and again Saturday, June 27. Curtain time on the call-board is 8:15 p.m.

It's all part of the Fourth Annual Oak Ridge Festival . . . that part of early Summer that Oak Ridge puts on the grease paint, drags out the crafts, shows off the paintings, and displays its artistic side to the entire community.

Puppet Show Saturday

A special feature will be held at the Oak Ridge Playhouse Saturday, June 27, at 2 and 4 p.m. Happy Joe's Puppets and Alice, long a delight to children in the nation's capital, will give a lively performance for kids of all ages. Music and dance from the entire world are told with humor, depth and dramatic appeal. "The Lion and the Mouse" is the Oak Ridge special act.

Friday, June 26, at 8:30 p.m. at the Holiday Inn, will feature the three pianos of Jack and Don Cowen and Phil Reuff in an evening of Dixieland music. The three pianos will be accompanied by Bob Hall on the guitar.

The Oak Ridge Art Center is open until Sunday, June 28, with an exhibit of pottery, prints, enameled, weaving and woodwork from the Southern Appalachians.

See you at the Arts Festival.

Tropic's First Reactor Reaches Criticality

The first nuclear power plant in the tropics . . . the Boil Nuclear Superheat Reactor (BONUS) in Puerto Rico . . . has achieved initial criticality.

The first self-sustaining chain reaction of the BONUS reactor, a joint project of the Atomic Energy Commission and the Puerto Rico Water Resources Authority, occurred April 13, 1964.

chemistry under the sponsorship of NSF.

The Honeycutt home is at Oakdale.

Honeycutt Son Is NSF Scholar Pick



Wayne Honeycutt

M. W. Honeycutt, Process Maintenance, recently saw his son Wayne off to Asbury College, Wilmore, Kentucky. Wayne was selected to participate in the National Science Foundation Summer Science Training Program. The Asbury course will run from June 15 to August 7.

Competition for participation was particularly keen with only 58 students chosen from over 800 applicants. The selected group of high ability high school students from 14 states and the Canal Zone will study in modern physics, chemistry or biology.

Wayne has been accepted in the Chemistry Section which will cover a one-year course in modern chemistry using the Chemical Bond Approach, materials specifically prepared for high school

Wells Children Both Graduating



William A. Wells

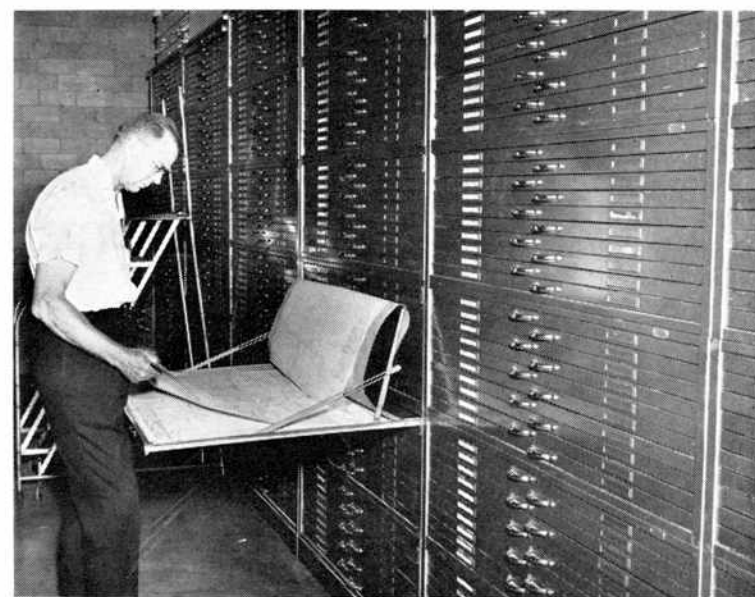


Rebecca Lynn Wells

The William O. Wells family, Wartburg, saw a son and daughter graduate this Spring.

The son William Alan Wells received his BS degree in mechanical engineering from Tennessee Polytechnic Institute, Cookeville, June 5.

Rebecca Lynn Wells graduated from Central High School, Wart-



MOUNTAINS AND MOUNTAINS of engineering prints are permanently filed in Microreproduction and Engineering Services. J. M. McMaster pulls an ancient drawing from the file above. Personnel in the department say that engineering drawings go back 'to the year one.'

Microreproduction Makes Mole Hills From Mountains

Continued from Page 1

tained for manufacturers' catalogues . . . approximately 5,000 are kept current. About 150 letters a month go out to various vendors for catalogues and descriptive data on innumerable subjects. (Many of the catalogues are procured on microfilm and can be read at the 'reader' in the Catalogue Files section.) Helen Ross maintains the catalogue section.

The service facility of the department is under the direction of Carl Roddy and includes R. I. Mann, J. M. McMaster, T. A. Williams and Ray West on special pick-up and delivery. Vendor manufacturers' service is led by L. Davis and includes Georgia Rader who maintains complete vendors' data, operating instructions, parts lists and schematics on equipment installed in the plant.

The special production, services and distribution group is made up of Frances Patton, J. K. Chance and Lucille Spence.

The microfilming and print shop has A. H. Inman and Clyde W. Clower as group leaders and includes E. W. Cook, T. E. Hillard, Jack D. Lindsey, Finley West and R. R. White. Two summer students, Barbara Gritzner and Gerald Nicely, are also assigned to the department serving throughout the section as vacation reliefs.

Does The Job!

Microreproduction and Engineering Services is administered by Don McMurray. McMurray modestly claims Y-12's print shop to be one of the finest in the country. "I have seen several shops in this section and in other plants. None can touch this one for doing the job, doing it quickly and efficiently . . . with as little cost as possible," he stated.

The major portion of work performed by Microreproduction & Engineering Services is for the Engineering Division and Special Projects, but the many services offered by this department are available to all plant personnel at their request.

Several machines are operated by the department that will automatically reproduce prints from the microfilm in varied sizes from

8½ x 11 inches to full size depending on the size of the original tracing. Reproducing from the tabulating card rather than from the original tracing is more economical, faster, and does not subject the original drawing to undue wear and tear.

Prints Can Be Made

After drawings have been microfilmed and put in the aperture card . . . prints can be made directly from this card and distributed to the concerned field personnel. The Maintenance Division keeps a complete deck of all drawings, with the exception of special production data. Distribution of these prints are tightly controlled because of the restricted nature of the contents. They are issued only to parties concerned.

Other sites exchange microfilmed prints with Y-12 and vice-versa. Materials and Services personnel feel that the extra equipment and machinery has redeemed itself economically in the savings made in postage alone in these special print mailings.

Thus, the department tackles the mountains of paperwork that are required in a plant of the nature of Y-12 . . . but now they're making them into "mole hills!"

AEC Donates 'Green' Stamps To Vet Hospital

The Atomic Energy Commission here recently donated 14,278 trading stamps to the Veterans Administration Center at Mountain Home, Johnson City, Tennessee. The stamps were received by AEC employees for purchases made with Federal funds. Most of the stamps were obtained with the purchase of gasoline for government travel.

Under regulations of the General Services Administration, Federal agencies may donate the stamps to a Federal hospital. S. R. Sapirie, manager of Oak Ridge Operations, made the donation after learning that the Center's recreation department collects trading stamps for use in obtaining various items for patients.

UNSUCCESSFUL SUCCESS

Zane Grey, America's beloved chronicler of the West, had to borrow money to publish his first novel, "Betty Zane."

burg, this Spring . . . and has entered TPI for the summer.

The Wells father is in Y-12's Process Maintenance.